

DATE: 21 April 2026
DESIGNER: Designs for Lighting
PROJECT No: 4428
PROJECT NAME: Land Off Fieldhead Lane Birstall



Location: Land Off Fieldhead Lane Birstall
Environmental Zone: E3

Design Class: P4

Eav Min: 5.00 to 7.50 Lux
Emin = 1.00

Lighting classes as per BS5489-1:2020, the lighting levels for which
are taken from EN 13201-2:2015

4428-DFL-HLG-XX-CA-EO-13001-S3-P01

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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1 - P4	422327.65	426943.56	24.38	120.23	1.43	1.48
2	Grid 2 - P4	422253.35	426960.51	39.95	15.82	1.48	1.44
3	Grid 3 - P4	422256.93	427013.64	39.95	15.82	1.48	1.44
4	Grid 4 - P4	422277.81	426934.79	39.95	15.82	1.48	1.44

Luminaires



Luminaire A Data

Supplier	OrangeTek
Type	Ignis-Mini - Ignis-Mini Plus - 20LEDs,MPE,4000K,0335mA,Opt1
Lamp(s)	OSRAM SQUARE CRI70 4000K N8 V7.1
LampFlux(klm)/Colour	3.52 4000/70
File Name	Ignis-Mini - Ignis-Mini Plus 20 MPE 4.0_70_335_3520_1.LDT
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	613.5, 91.3, 0.0
No. in Project	6

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	422276.12	426986.78	6.00	45.00	0.00	0.00	0.40			
2	A	422285.08	426957.59	6.00	141.00	0.00	0.00	0.40			
3	A	422297.08	426968.99	6.00	69.00	0.00	0.00	0.40			
4	A	422248.46	427010.44	6.00	57.00	0.00	0.00	0.40			
6	A	422258.27	427034.04	6.00	321.00	0.00	0.00	0.40			
7	A	422258.28	426986.26	6.00	313.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 - P4

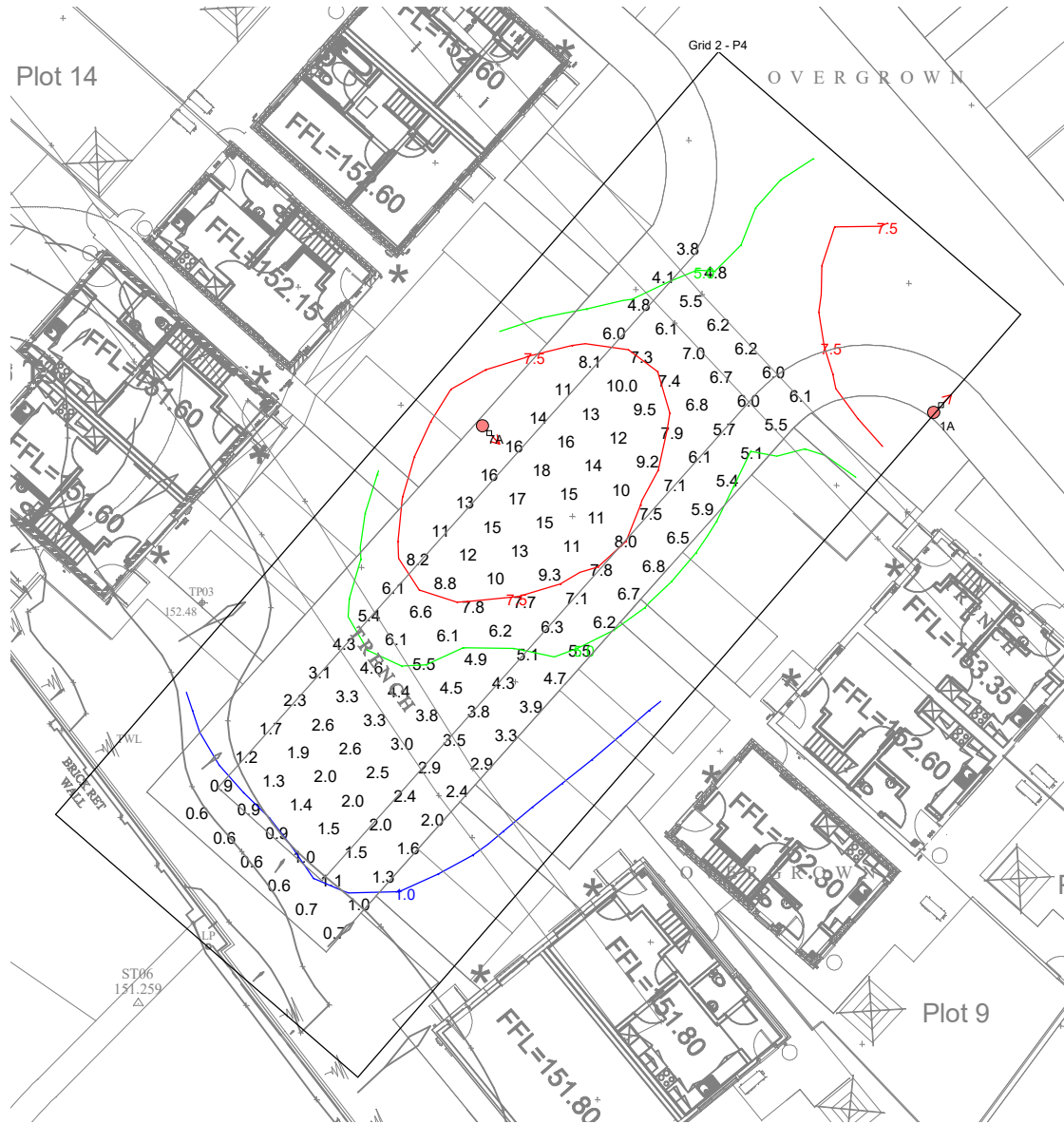


Results

Eav	6.04
Emin	1.01
E _{max}	18.44
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.17

Horizontal Illuminance (lux)

Grid 2 - P4

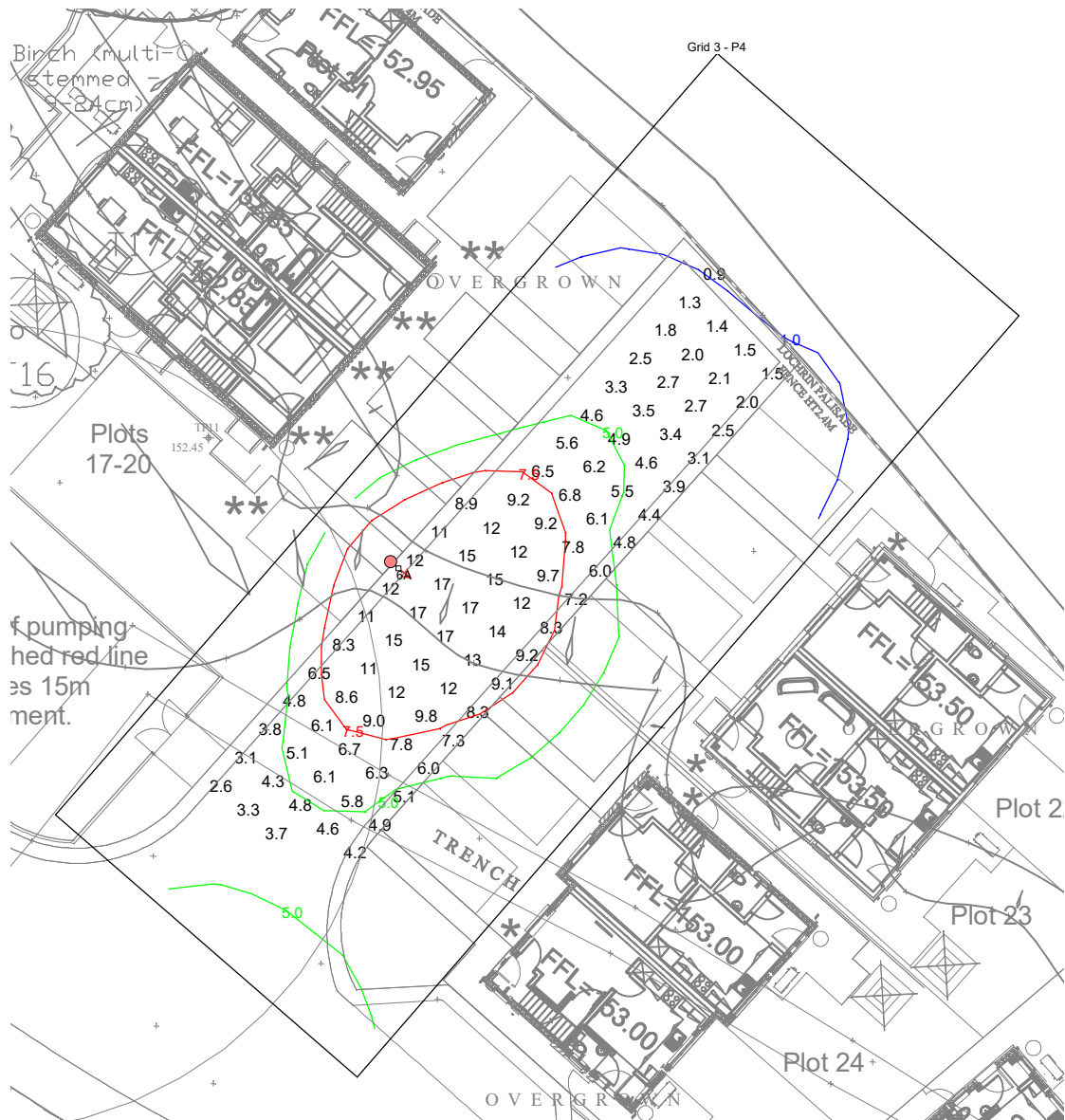


Results

Eav	6.07
Emin	0.56
Emax	17.92
Emin/Emax	0.03
Emin/Eav	0.09

Horizontal Illuminance (lux)

Grid 3 - P4

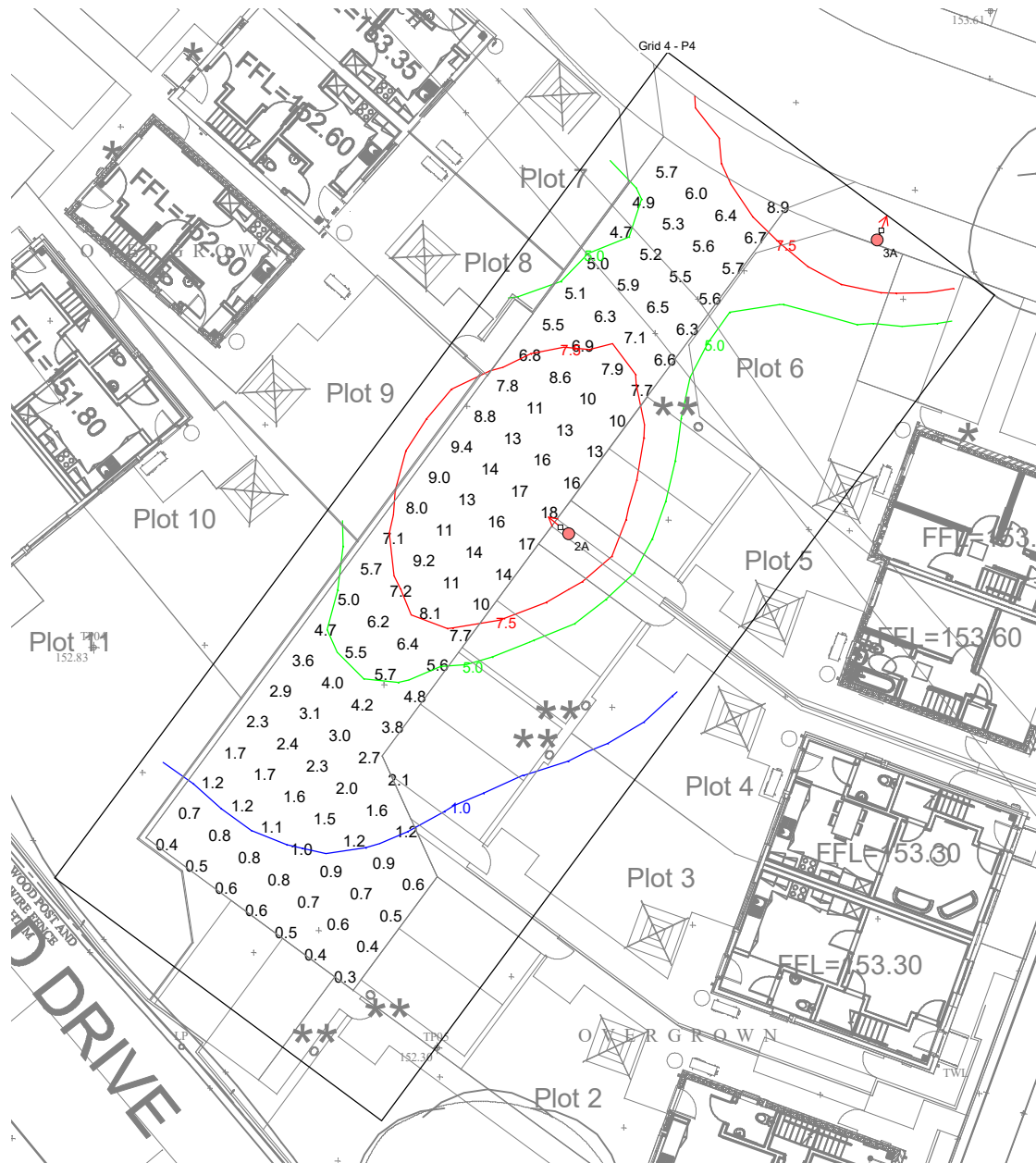


Results

Eav	7.17
Emin	0.93
Emax	17.49
Emin/Emax	0.05
Emin/Eav	0.13

Horizontal Illuminance (lux)

Grid 4 - P4



Results

Eav	5.77
Emin	0.32
Emax	17.98
Emin/Emax	0.02
Emin/Eav	0.06